

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

RESOLUTION NO. 70-52

PRESCRIBING REVISED REQUIREMENTS FOR WASTE DISCHARGE BY THE CITY OF PINOLE INTO SAN PABLO BAY IN THE CITY OF PINOLE, CONTRA COSTA COUNTY, AND RESCINDING RESOLUTION NO. 175 AND APPLICABLE PORTION OF RESOLUTION NO. 69-40

WHERE AS THIS REGIONAL BOARD HAS CONSIDERED

INFORMATION ABOUT THIS DISCHARGE

1. This Regional Water Quality Control Board prescribed requirements for the City of Pinole, called the discharger below, in Resolution No. 175 which was adopted January 20, 1955, and in Resolution No. 69-40, which was adopted August 28, 1969.
2. The City of Pinole filed a Report on Waste Discharge dated June 3, 1970 with this Regional Water Quality Control Board pursuant to Section 13260(b) of the California Water Code.
3. That Report describes this existing waste discharge as about 0.9 mgd only from a present population of 14,000. The present treatment facilities are designed to serve a population of 15,000 persons and an average daily flow of 1.1 mgd; the discharger plans to expand them to serve 30,000 persons and 3.0 mgd. The outfall, a 30-inch pipe, discharges the waste into San Pablo Bay within the City of Pinole above the surface at mean lower low water at the shore.
4. This Regional Board has stated intent to revise requirements for existing waste discharges to conform with the Bay Water Quality Control Plan.

CORRESPONDENCE

This Regional Board has considered recommendations about this matter from:

1. Memorandum from State Department of Public Health dated June 16, 1970.
2. Memorandum from State Department of Water Resources dated June 22, 1970.

### STAFF INVESTIGATION

1. These wastes may affect the following beneficial water uses in San Pablo Bay and contiguous water bodies:

Industrial cooling and process water supply year-round

Swimming, water-skiing, skin-diving, wading, pleasure boating, marinas, fishing, shellfishing, and hunting

Fish, shellfish, and wildlife propagation and sustenance, and waterfowl and migratory birds habitat and resting

Esthetic enjoyment.

2. Land within 1000 feet of the outfall is used for transportation.

### RESOLVED BY THIS REGIONAL BOARD

### BOARD INTENT

1. Protect public health as it may be affected by these waste discharges.
2. Prevent nuisance, as defined in Section 13050(m) of the California Water Code.
3. Protect the beneficial water uses listed under "Staff Investigation" above, except shellfishing.

In accordance with Section XVII of its Resolution No. 803, this Board has received a report from the Department of Fish and Game dated August 26, 1968, which describes beds suitable for shellfishing that are located between Pinole Point and Carquinez Strait. This Board will consider the matter of protecting these beds for the taking of shellfish for human consumption after it has reviewed a report to be submitted by the State Department of Public Health in accordance with Resolution No. 803.

### WASTE DISCHARGE REQUIREMENTS - RECEIVING WATERS

1. The treatment or disposal of waste shall not create a nuisance as defined in Section 13050(m) of the California Water Code.
2. The discharge shall not:
  - a. Unreasonably affect any of the protected beneficial water uses resulting from:

Floating, suspended, or deposited macroscopic particulate matter or foam, in waters of the State at any place;

Bottom deposits at any place;

Aquatic growths at any place;

Alteration of temperature, turbidity, or apparent color beyond present natural background levels in waters of the State at any place.

b. Cause visible, floating, suspended or deposited oil or other products of petroleum origin in waters of the State at any place.

c. Cause waters of the State to exceed the following limits of quality at any point:

Dissolved oxygen	5.0 mg/l minimum
Dissolved sulfide	0.1 mg/l maximum
Other substances	any one or more substances in concentrations that impair any of the protected beneficial water uses or make aquatic life or wildlife unfit or unpalatable for consumption.

#### WASTE DISCHARGE REQUIREMENTS - WASTE STREAM

The waste as discharged to waters of the State shall meet these quality limits at all times:

1. In any grab sample:

pH	7.0, minimum 8.5, maximum
Settleable matter	
The arithmetic average of any six or more samples collected on any day	0.5 ml/l/hr., maximum
80% of all individual samples collected during maximum daily flow over any 30-day period	0.4 ml/l/hr., maximum
Any sample	1.0 ml/l/hr., maximum

2. 5-day, 20°C. BOD removal from the waste as indicated by analysis of 24-hour composite samples of effluent and influent shall be sufficient to maintain the dissolved oxygen concentration prescribed above. When the dissolved oxygen is less than the concentration prescribed above, the BOD removal during the preceding 21 days shall be at least

Average	90%
Not more than two consecutive daily determinations shall indicate BOD removals less than	80%

3. In any representative, 24-hour composite sample:

Toxicity: survival of test fishes in 96-hour bioassays of the waste as discharged

Any sample 75%, minimum

Average of any three or more consecutive samples collected during any 21 or more days 90%, minimum

4. The waste as discharged or at some point in the treatment process shall meet the following quality limits at all times:

Coliform Organisms 240 MPN/100 ml, median of five consecutive samples, maximum

10,000 MPN/100 ml, any single sample, maximum

The Board will accept proof of effective effluent disinfection in terms of factors other than bacterial concentrations if the discharger documents a sound statistical correlation between such factors and bacterial analysis, and provided the conditions of sewage strength and treatment do not change from the demonstration period.

REPORTING REQUIREMENTS

This Resolution includes items numbered 1, 2, 3, 4, 5, 6, and 7 of the attached "Reporting Requirements", dated January 1, 1970.

NOTIFICATIONS

1. This Board's Resolution No. 179 and the applicable portion of Resolution No. 69-40 are hereby rescinded.

2. This Resolution includes items numbered 1, 2, 3, 4, 5, 6, and 7 of the attached "Notifications", dated January 6, 1970.

WILLIAM C. WEBER  
Chairman

June 25, 1970

I, Fred H. Dierker, hereby certify that the foregoing is a true and correct copy of Resolution No. 70-52 adopted by the California Regional Water Quality Control Board, San Francisco Bay Region at its regular meeting on June 25, 1970.

FRED H. DIERKER  
Executive Officer  
CALIFORNIA REGIONAL WATER QUALITY CONTROL  
BOARD - SAN FRANCISCO BAY REGION